March 19, 1993 Issue 680

DXpedition News

Navassa - KP1 A multi-national group will operate from Navassa (NA-098) as **W5IJU/KP1** Mar. 26-Apr. 3, on all bands 160-10 meters, including the new bands, on CW, SSB, and RTTY. They'll operate **above** the Extra-class subbands. They will concentrate on working Europe and Japan, where Navassa ranks much higher than on US Most Wanted lists, and on RTTY. Look for the operators signing **6Y5/** before the operation. QSL to Vance LePierre W5IJU, 2618 McGregor Blvd., Fernandina Beach FL 32034. Donations appreciated. Sunrise 1100Z; sunset 2310Z.

Grenada - J3 Chip Taylor W1AIM will operate **J3/** Mar. 18-27, concentrating on six meters (monitoring and calling on 50110 kHz), with some 10- and 15-meter operation as well. QSL home address: RR #2, Cabot VT 05647.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Reserve Your Island - WPX SSB March 27-28

Papua New Guinea - P2 The Papua New Guinea Contest Group will operate the WPX SSB Mar. 27-28 under the special call of **P2ØX**, from the Eastern Highlands Province. QSL to Kyle Harris P. O. Box 997, Madang, Madang Province, Papua New Guinea, with **two** IRCs for airmail return. [One IRC is enough for airmail postage to VK/ZL, but not for other countries; this is not unusual, nor a 'rip-off.' Many countries have different postage rates, and IRC requirements, for different parts of the world. -ed]

St. Vincent - J8 John Irwin will operate as **J8/K7SE** Mar. 24-29, including a single-op entry in the WPX SSB test. Watch 14180, 21280, and 24480 kHz. QSL via home address: 2744 N. Tyndall Ave., Tucson AZ 85719.

Shortly Noted

- The **9MØS** Spratly operation has been postponed. They expect to re-schedule for some time in April.
- **Uganda**: The ban on amateur radio in Uganda has been lifted, and Paul Rubinfeld WF5T and James Archer N3JCL/5Z4FV will operate from 5X Apr. 27-May 12, on CW, SSB, and RTTY. Usual DX frequencies. More info soon.
- **5R8DJ** is Frank Turek DL7FT, to March 28. Try 28490 kHz, listening 28505, at 1400Z. OPDX suggests watching 10101, 14005, 18080, 18145, 21005, 24898, 24940, and 28005 kHz as well. QSL DL7FT, direct only.
- **Abu Ail** has been deleted from the DXCC Countries list, effective March 31, **1991**. The ARRL Awards Committee unanimously accepted the DXAC recommendation to delete these Red Sea islands.
- **ZD9CQ** is active from Gough Island (AF-030) for the next two months; QSL W4FRU. (DXPress.)
- **9L1CB** is the requested callsign of Frosty K5LBU (ex-9J2CF), who is stationed in Sierra Leone for the next two years with the Baptist Mission. (DXNS.)
- **FK8** New Caledonia is the expected destination of the German team that operated as **VK9LM** from Lord Howe.
- **EG1RX** and **EG1RJ** will be active from Spain Mar. 19-Apr. 13, including the WPX SSB test. QSL SSB QSOs to EA1JP, CW contacts to EA1JO, and RTTY to EA1EVY.
- **TO5M** will be active in the WPX SSB test from Martinique, as a multi-op, by FM5CD and others. QSL to Michel Brunelle, P.O. Box 321, 97287 Lamentin Cedex 2, Martinique, West Indies.
- **XF1C** is the expected WPX SSB callsign of the 'Guardian Angel' island operation of XE2GV, and others.
- **VP8GAV** will operate from the South Orkney Islands Mar. 24-27, and from the South Georgia Islands Mar. 29-Apr. 2, on his way home from Antarctica.
- **SSB Net** check-ins: **14227**: (11,21Z) 9M8ER TU5BA S92YL; **21335**: (14Z) TN1AT 4N4ANT 4N5JA 4N4XX AP2JZB S79KMB YK1AO YC4FP UD6DR. **J8/K7SE** will be in the 14226.7 kHz net at 2030-2400Z Mar. 24-26. More details under the entry at left.
- **RTTY**: **HC8J** is the Galapagos Islands callsign of Jay WS7I and Betsy WV7Y Townsend, Mar. 15-27, especially active on RTTY in the BARTG RTTY test Mar. 20-22. QSL direct only to WV7Y, P.O.Box 644, Spokane WA 99210-0644. They'll be on SSB and CW outside the test. **GU4YMV** will be an all-band entry in the BARTG test; QSL direct only with IRC or US$1. Regulars: **7Q7ZZ** 21086 1800Z; **UAØKZ** 21083 0100Z.
- **Islands On The Air: Persian Gulf** islands (AS-???) may be active at the end of March by 9K2GS and others.
- **QSLing Notes**: QSL the Bangladesh operations of **S21ZH-M** via SP5IUL, QTH in Issue 677. QSL the **1992** operation of **PYØFM** via AH3C, and the **1993** PYØFM operation via PY5CC. QSL **KB5GL/HKØ** via KA6V, and **AA5AU/HKØ** via AA5AU.

Propagation

Forecast and Historical Data

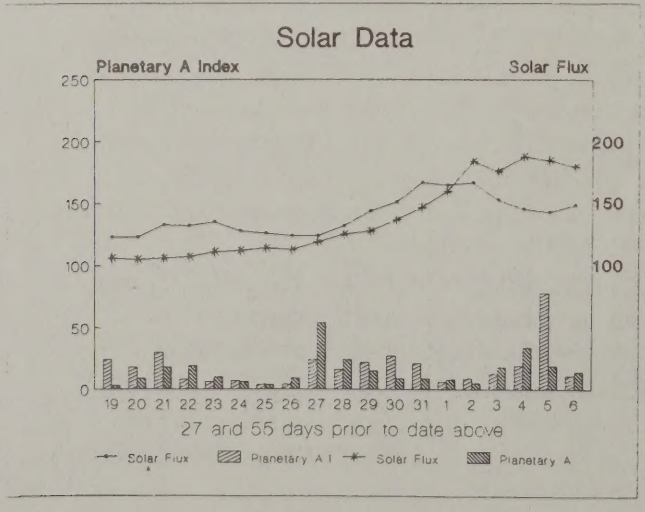
Day	Forecast	27 Days Before				55 Days Before			
March 1993		Date	Flux	A	K	Date	Flux	A	K
19	Low Normal	2/20	123	22/24	3	1/23	106	02/03	1
20	Low Normal	2/21	123	17/18	3	1/24	105	08/09	2
21	Low Normal	2/22	133	18/30	2	1/25	106	16/18	4
22	High Normal	2/23	132	06/08	1	1/26	107	21/19	3
23	High Normal	2/24	135	04/06	0	1/27	111	08/10	1
24	High Normal	2/25	128	06/07	1	1/28	112	07/06	1
25	High Normal	2/26	126	03/04	1	1/29	114	05/04	1
26	High Normal	2/27	124	02/04	1	1/30	113	10/09	2
27	Low Normal	2/28	124	21/24	2	1/31	119	40/54	4
28	High Normal	3/1	132	12/16	2	2/1	125	21/24	3
29	Low Normal	3/2	144	15/22	3	2/2	128	14/15	3
30	Low Normal	3/3	151	19/27	3	2/3	137	06/09	2
31	High Normal	3/4	167	20/21	1	2/4	147	06/09	2
April 1993									
1	Above Normal	3/5	165	05/06	0	2/5	160	06/08	2
2	Above Normal	3/6	167	08/09	2	2/6	184	02/05	0
3	High Normal	3/7	153	11/13	2	2/7	176	18/18	4
4	Low Normal	3/8	146	19/19	3	2/8	188	29/34	3

Propagation Watch

Band conditions have varied from excellent to very poor recently. Above-expected solar flux levels, combined with the usual good propagation around the equinox, have produced some fine HF openings, from 160 meters to 10 meters. On the other hand, a significant flare from Sunspot Region 7440, as it was rotating around the west limb of the sun, produced a severe geomagnetic storm on Mar. 15. This storm wiped out polar and high-latitude propagation, reduced signal strengths on long-haul paths, and even disrupted propagation in middle latitudes.

A persistent coronal hole may cause some disruptions to HF propagation around the WPX SSB Mar. 27. However, there are few active Sunspot Regions visible, so the chances of a major flare are low.

In the absence of band-disrupting flares, look for good openings on most HF bands, including some of the more elusive long-haul openings found only around the equinox, such as 80-meter long path (W6 to EU, for example.) Remember that band conditions are often **enhanced** for a time after a major flare, but before the charged particles from the flare reach Earth 36-48 hours later. Good hunting!



Proposed Mellish Reef DXpedition

Dear Fellow DXers:

An international group of DXers have formed a team with the plan of activating **Mellish Reef VK9M** this fall. This expedition is scheduled for mid to late September 1993. The operators include: Bill VK4CRR; Harry VK2RQ/VK2BJL; Steve P29DX/G4JVG; Murray WA4DAN; and Jack KB7NW, who will captain the yacht *Banyandah* on yet another Pacific DXpedition. Jack captained the Banyandah on the successful 1982 Mellish Reef/Willis Island DXpedition among others. Harry VK2RQ/VK2BJL is a veteran of two previous Mellish Reef DXpeditions, including the one in 1982.

The group plans to have three to four stations operational around the clock during the eight-day stay on the reef. Operations will be on 160-6 meters, utilizing mono-band yagis on the higher bands, and a combination of verticals and wire antennas on the lower frequencies. Legal-limit amplifiers will be used.

Applications for funding are being mailed to all DX foundations and clubs. This letter is part of a grass-roots campaign to get the word out and to appeal to interested DXers worldwide to help support this very difficult undertaking. A substantial deposit has already been made on the yacht Banyandah. Generators, antennas, masts, fuel, coax, tents, etc..., will need to be purchased. Estimated costs for this DXpedition is approximately US$30,000. If you would like to support this DXpedition, we would like to hear from you. Any contributions will be appreciated and used for the non-personal expenses on the DXpedition.

Any donations, questions, or additional information requests should be directed to Murray Adams WA4DAN, or Bill Horner VK4CRR, at the addresses listed below. Checks should be made out to the "1993 Mellish Reef DXpedition." In the event the DXpedition is canceled, all monies will be returned. Please enclose an SASE so we can mail you an update before we depart for Mellish Reef. Please pass the word to all your DXer friends. Thank you! Murray D. Adams WA4DAN, 1993 Mellish Reef DXped, 403 East 14th Street, Greenville, NC 27858 or Bill Horner VK4CRR, 1993 Mellish Reef DXped, 26 Iron Street, Gympie QLD 4570, Australia.

QSLs Received

▪ From managers: **TM3IF** (FD1OZF 5 MOS), **9K2ZZ** (W8CNL 3 WKS), **RY8B** (RB5BA 1 MO!), **3DA/G4FAM** (G4FAM 3 WKS), **9ER1TB** (K4PHE 5 MOS), **SØRASD** (EA2JG 1 MO), **FW/KG7KE** (JI1NJC 4 MOS), **FM5CD** (F5VU 2 WKS), **T32BE** (WC5P 2 WKS), **9V1XQ** (K2QBV 1 MO), **6W6JX** (9 WKS), **BV4CT** (3 WKS), **J28BG** (FD1RRH 3 MOS), **5W1VL** (G4IUF 3 MOS), **VR2/WX3N** (AAØCR 3 MOS), **VQ9QM** (W4QM 3 MOS),.

▪ Direct: **OM3RM** (1 MO), **A43DX/P** (18 MOS!), **EA9AE** (1 MO), **ZD8LII** (1 MO), **EA9IE** (1 MO), **D44BC** (1 MO), **4N5TO** (8 MOS), **OM3NA** (2 MOS), **C31LL** (3 WKS), **CU2AR** (4 WKS),.

The 1993 Pacific Northwest DX Convention

This convention is July 30-Aug. 1, at the Beaverton Inn, near Portland, Oregon. Host club is the Willamette Valley DX Club. To get on the mailing list for more details, contact Jim Fenstermaker K9JF, 10312 NE 161st Ave., Vancouver WA 98682, or call 206-256-1716.

B • A • N • D • P • A • S • S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet. All "portable" calls listed with country of operation first, regardless of format used on the air.*

S	M	T	W	T	F	S
28	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

RTTY

7Q7ZZ	21086	1755	10	CA
9A1CRT	21083	1330	14	TX
9K2WA	21088	1445	7	OH
C31HK	21091	1610	7	FL
HP1AC	21094	1641	7	FL
OD5PL	21087	1615	6	OH
OM3CPS	21090	1332	14	TX
TU5BB	14088	0110	7	CA
UAØKZ	21081	0055	11	CA
VP8BFH	14087	0350	10	CA
VP8BFH	21085	2249	6	CA

160 Meters

GD4BEG	1833	0300	3	AL
PYØFM	1838	0323	7	NS
UC2WAF	1831	0124	4	NS
Z21HS	1827	0400	2	AL
ZL2JR	1837	0738	7	VA

80 Meters

6W6JX	3503	0630	4	KS
9A2TJ	3510	0006	10	FL
9K2MU	3512	0058	7	FL
9M8FC	3506	1325	6	WA
9V1ZE *	3505	2302	4	MA
A22MN	3505	0423	4	ID
FM5BH	3503	0445	14	NV
OM3CQR	3504	0045	12	FL
PJ9JT	3502	1104	10	FL
PT7AA	3505	0129	3	WV
UJ8JI	3503	0140	10	FL
ZA1Z	3502	2308	4	MA

75 Meters

7X2BK	3796	0210	8	IA
7X2BK	3795	2240	3	MA
9V1XQ *	3798	2250	3	MA
ES6MO *	3799	0435	8	CA
GMØECO *	3761	0454	7	CA
HC8A	3782	0716	7	CA
HL5BDD	3799	1421	8	CA
HSØAC	3795	1349	7	CA
OH1XX *	3799	0458	8	CA
OH7OK *	3799	1428	8	CA
PYØFM	3794	0556	6	CA
RB5RX *	3640	0432	7	CA
S54DL *	3747	0540	7	CA
SV1AOZ	3794	0455	4	IA
UW4HX	3796	1426	6	CA
YC7WZO	3798	1350	5	CA

40 Meters

3B8CF	7004	0210	3	VA
3DAØBK	7007	0348	3	MA
4K2BY	7002	2311	13	FL
4N4DD	7005	2322	13	FL
9V1ZC	7009	1109	3	ID
9V1ZE	7005	1245	3	IA
A71CW	7004	0035	12	FL
BV2TA	7002	1503	14	CA
BV4CT	7005	1535	3	ID
C91J	7009	0357	14	CA
CT3FN	7006	0518	5	CA
EA6NB	7006	0520	4	CA
EA8AB	7006	2323	7	FL
HJØVGJ	7007	0402	7	UT
HP1XQN	7003	1145	13	FL
OD5/ SP7LSE	7004	2258	5	MI
RAØFN	7004	1315	3	IA
SV5TH	7015	2255	7	IA
UC2WE	7010	2220	6	FL
UL7TX	7001	2320	13	FL
V44KAO	7008	0228	5	MI
VP2VE	7005	0049	8	FL
VP8GAV	7004	0250	4	OH
VP8GAV	7005	0916	4	MI
XU2ZP	7005	1448	6	WA
XU9M	7007	1505	4	CA
YL2MP	7003	2330	9	FL
YN/ SMØOIG	7005	0229	5	GA
ZA1J	7008	0135	10	FL
ZA1W	7003	2331	8	VA
ZD8LII	7005	0303	14	CA

30 Meters

3B8CF	10102	0309	13	FL
3D2QB	10110	1212	5	AL
4K1YAR	10101	0511	14	CA
5T5CJ	10108	0817	6	MI
CT3FN	10101	0702	5	VA
PJ2GG	10105	0049	30	FL
PJ9JT	10103	0055	13	FL
S51UF	10109	0549	14	CA
SV2BOH	10100	2253	6	FL
ZD8DEZ	10108	0627	14	CA
ZD8DEZ	10104	2111	4	VA

20 Meter CW

3B8FG	14019	0301	6	WI
3B8FG	14022	1310	7	MA
4N5FK	14015	2041	7	MI
5H3RA	14019	2341	3	WI
6W1PZ	14003	0054	7	CA
7X2FK	14033	0321	6	WI
9J2AS	14009	2359	3	OH
9J2BO	14007	0137	14	CA
BV4CT	14025	1230	6	MA
CP4BT	14012	2345	11	FL
FK8GJ	14006	0455	3	UT
FR5DD	14006	2215	4	CA
JT1BR	14011	0137	11	MI
JT1CS	14019	0333	3	UT
OD5/ SP7LSE	14011	0022	7	CA
OD5/ SP1MHV	14028	0201	3	CO
SV2BFM *	14028	1459	14	CA
UAØYO	14007	0139	11	MI
UA8TAB	14031	0217	5	VA
UI8GA	14029	0243	6	WI
UJ8JI	14007	0252	6	WI
UL7CM	14013	0236	6	WI
UL7MU	14007	0352	6	UT
UL7PGH	14011	0254	4	UT
UL7RCZ	14042	0333	6	WI
UL8PWS	14032	0238	4	CO
UM8QDX	14019	0310	14	CA
VP8GAV	14018	0226	3	CO
VR6MW	14020	0557	5	WI
XQØX	14003	0224	6	OR
YN/ SMØOIG	14024	2342	11	FL
ZD8DEZ	14019	2056	3	VA

20 Meter SSB

AP2JZB	14193	0138	11	MI
FK8GA	14263	0636	3	WI
HKØTCN	14222	0225	9	CA
JT1BG	14193	0139	11	MI
P29AI	14195	0650	4	KS
V51GB	14222	0610	3	KS
V73EX	14260	2023	5	WI
VQ9AC	14227	1529	14	CA
XU7VK	14197	1745	6	OH

17 Meter CW

4U1UN	18073	2154	12	FL
5Z4FM	18083	1925	7	MI
9J2AS	18075	2055	5	MI
A71CW	18078	1800	7	MI
HR1LW	18080	0101	9	FL
OA4CWR	18072	2158	6	FL
UD7DZ	18071	1309	5	NS
VQ9AC	18072	1823	5	WI
ZD8DEZ	18085	2003	7	MI

17 Meter SSB

HKØOEP	18139	0322	9	CA
JT1BY	18140	1241	5	NS
OD5/ SP1MHV	18128	1255	4	NS

15 Meter CW

6O/G3KOX	21007	2130	5	MI
6W1PZ	21021	0030	5	IA
9X5HG	21009	1402	3	IL
HSØZAA	21024	0200	4	WA
PZ1DY	21029	0038	3	UT
SV2UF	21021	1450	4	MI
SV5TH	21021	1405	9	VA
TR8LVP	21028	1957	2	MI
UC1OWT	21027	1643	8	ID
UJ8JKK	21002	1320	5	IA
UL7CM	21007	1400	5	IA
UO5ON	21022	1155	13	FL
VS6BG	21027	2322	5	MA
VU2TTC	21010	1851	7	MI
Z21GC	21026	1933	3	CO
ZD8DEZ	21022	1437	14	TX

15 Meter SSB

4N4XX	21335	1553	4	MA
5H3EM	21225	2037	3	IL
5R8DG	21259	1800	3	IA
5Z4MR	21278	2101	3	IL
7X2WAK	21247	1522	3	NJ
7Z1AB	21228	1723	3	NJ
9X5HG	21222	1835	4	CO
A22JP	21318	1828	3	NJ
D44BC	21275	1551	4	MA
HC8A	21243	0315	4	OH
SV2BET	21251	1500	5	NH
SV5TS	21284	1437	4	MA
V51E	21323	1822	5	MA
V63DJ	21260	2144	4	WI
VR6BX	21260	1457	3	IL
VU2DK	21291	1425	4	NH
Z21CA	21260	1910	3	IL
ZB2JL	21355	1950	4	NS
ZD7SM	21247	2017	4	MA
ZD8VJ	21270	1842	5	MA

12 Meter CW

9J2AS	24893	1450	5	NS
PJ2MI	24901	1559	7	FL
TR8NSY	24899	1548	7	FL
XQØYAF	24899	2321	5	WV

12 Meter SSB

5H3MT	24950	1742	4	MA
VK9NL	24935	0127	11	MI
YI1CW	24903	1329	5	NS

10 Meter CW

6W6JX	28024	1710	7	MI
9J2AS	28011	1445	4	IA
FS4PL	28017	1257	5	GA
PZ1DY	28028	1415	4	IA
T77C	28022	1629	7	FL

10 Meter SSB

3XØHNU	28480	1436	14	TX
4N4XX	28440	1505	5	NH
5R8DJ	28490	1429	14	TX
7X2DG	28463	1635	4	CO
7Z1AB	28496	1825	5	MA
9J2FR	28559	1721	7	NS
A22EX	28471	1715	14	CA
C91J	28436	1441	14	TX
C9RJJ	28411	1324	4	FL
CN8CH	28455	1429	14	TX
EA9TL	28480	1832	5	MA
FH5CB	28655	1524	5	NH
HH2LQ	28530	1637	8	MA
OD5WS	28496	1518	5	VA
SV9ANH	28485	1333	14	TX
TZ6VV	28417	1452	14	TX
V51PQ	28543	1420	14	TX
VK6RO	28494	0111	14	CA
VP8BFH	28491	2120	3	CA
VR6JJ	28485	0117	14	CA
XQØX	28495	1607	2	VA
Z22JE	28477	1430	4	IA
ZD7GWM	28410	1326	3	AL

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Antarctica		FT5YE, CE9OH	Now	I678
Anguilla		**VP2E/NR1R**	**Mar. 23-31**	**I678**
Aruba	**P4**	**P4ØNC/AA**	**Mar. 15-22**	**I678**
Ascension Island		ZD8VJ	Now-1994	I673
		ZD8DEZ	to August	I678
Bahamas	**C6**	**N3NCW/C6A**	**Mar. 15-30**	**I677**
Bangladesh	S2	S21ZG	7004 1200Z	I674
Belau	**KC6s**	**VW SM**	**Mar. 28-31**	**I675**
Cambodia	XU	XU7VK, others now active		I670
Cayman Islands	**ZF**	**ZF2TX**	**Mar. 13-21**	**I677**
		ZF2SP/SQ	**Mar. 19-26**	**I678**
Chad	**TT**	**TT8OBO**	**Mar. 15-Apr.**	**I673**
		TT8AKX	**to Mar. 31**	**I674**
Crozet	FT	FT4WD	Now	I670
Fernando de Noronha		**PYØFM**	**Mar. 4-Apr. 1**	**I677**
Galapagos	**HC8**	**HC8A**	**Mar. 2-29**	**I674**
		HC8J	**Mar. 15-27**	**I680**
Ghana	**9G**	**9G5AA**	**late March**	**I674**
Gough Island	**ZD7**	**ZD7CQ**	**now-May**	**I680**
Grenada	**J3/**	**W1AIM**	**Mar. 18-27**	**I680**
Guinea-Bissau	**J5**	**SMØAGD**	**Mar. 22-Apr. 5**	**I679**
Madagascar	5R	5R8DG	28544 14-1500Z	I672
		5R8DJ	**to Mar. 28**	**I680**
Micronesia	**V63s**	**BM MK**	**Mar. 31-Apr. 4**	**I675**
Nauru	C2	C21BR	to mid-Apr.	I669
Navassa	**KP1**	**W5IJU/**	**Mar. 26-Apr. 3**	**I680**
New Caledonia	**FK**	**by DLs**	**now**	**I680**
Papua New Guinea		**P2ØX**	**WPX SSB**	**I680**
Qatar	A7	A71CW	now active	I675
Rwanda	9X	9X5AB	now active	I662
Saba	PJ/	N3NCW	April	I677
St. Martin	FS/	N3NCW	April	I677
St. Vincent	**J8/**	**K7SE**	**Mar. 24-29**	**I680**
São Tomé	S9	S92ST	now active	I674
Seychelles	S7	S79MD	now active	I670
Singapore	9V	9V1YU	15M 15-1700Z	I661
Somalia	**T5/**	**KH6HBZ**	**to March**	**I676**
South Orkneys		**VP8GAV**	**Mar. 24-27**	**I680**
South Georgia		**VP8GAV**	**Mar. 29-Apr. 2**	**I680**
Spratly Islands	**1S**	**9MØS**	**postponed**	**I680**
Sri Lanka	**4S**	**GØIXC**	**Mar. 20-31**	**I679**
Taiwan	BV/	N4VA	to July	I676
		BV/N4MQX	Apr. 9-20	I679
Tuvalu	**T2**	**T2ØWQ**	**Mar. 20-23**	**I679**
Uganda	**5X**	**WF5T/N3JCL**	**Apr.27-May 12**	**I680**
United Arab Emirates		**A61AD**	**Mar. 24-29**	**I678**
Wallis Island	**FW/**	**JF1WQC**	**Mar. 24-31**	**I679**

Operating Events and DX Gatherings

Dates	Event	Reference:
Mar. 20-21	Bermuda Contest	CQ
Mar. 20-22	BARTG RTTY Contest	CQ
Mar. 27-28	CQ WPX SSB test	CQ
April 16-18	Visalia International DX Convention	
April 23-25	Dayton Hamvention®	

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Albania	ZA1J	7006±	0130Z
Algeria	7X2WAK	21255±	1520Z
Asiatic Russia	UA8TAB	14032	0200Z
Bosnia-Hercegovina	4N4XX	15M SSB	1600Z
Eastern Malaysia	9M8FC	3504±	1330Z
Gabon	TR8LVP	15M CW	20000Z
Indonesia	YC4WZO	3795±	1400Z
Kuwait	9K2ZZ	14004	1745Z
Mauritius Island	3B8CF	7004	0200Z
Mauritius Island	3B8CF	10102	03Z Fri.
Mayotte	FH5CB	28655	1500Z
San Andrés Island	HJØVGJ	21026	2020Z
Tanzania	5H3MT	24950	1745Z
Zone 23	UAØYO	20M CW	0200Z

The DX Bulletin

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